

© EPODOC / EPO

PN - JP2000317342 A 20001121
PD - 2000-11-21
PR - JP19990122557 19990428
OPD - 1999-04-28
TI - MAGNETIC MATTER REMOVING APPARATUS
IN - FUKUMAKI KEIJI
PA - NIPPON MAGNETICS KK
IC - B03C1/26

© WPI / DERWENT

TI - Magnetic particles removal apparatus for separating magnetic particles e.g. iron and quartz contents in powder, has insertion cylinders with air inlet and outlet at both ends, protruded from powder passage

PR - JP19990122557 19990428

PN - JP2000317342 A 20001121 DW200108 B03C1/26 004pp

PA - (NIMA-N) NIPPON MAGNETICS KK

IC - B03C1/26

AB - JP2000317342 NOVELTY - At least 2 insertion cylinders (9) from which a bar magnet (4) moves in and out, is protruded from a powder passage (2). An air inlet and outlet (10,11) are provided at both ends of the bar magnet in and out cylinder.

- USE - For separating magnetic particles e.g. iron and quartz contents in powder.
- ADVANTAGE - Enables simple and reliable insertion and extraction of bar magnet into and out from the powder to simplify the removal of magnetic particles in the powder.
- DESCRIPTION OF DRAWING(S) - The figure shows the longitudinal cross-sectioned view of the magnetic particles removal apparatus.
 - Powder passage 2
 - Bar magnet 4
 - Insertion cylinders 9
 - Air inlet and outlet 10,11
 - (Dwg.1/6)

OPD - 1999-04-28

AN - 2001-066513 [08]

PN - JP2000317342 A 20001121

© PAJ / JPO

- PD - 2000-11-21
- AP - JP19990122557 19990428
- IN - FUKUMAKI KEIJI
- PA - NIPPON MAGNETICS KK
- TI - MAGNETIC MATTER REMOVING APPARATUS
- AB - PROBLEM TO BE SOLVED: To easily and certainly take in and out a bar magnet in a magnetic matter removing apparatus for removing magnetic matter in a powder by the bar magnet.
- SOLUTION: In a magnetic matter removing apparatus wherein bar magnet taking-in/out cylinders 9 are arranged so as to traverse the interior of a power passage 2 and a powder discharge port 6 and a magnetic matter discharge port 7 for discharging removed magnetic matter are provided to the lower part of the powder passage 2 and a door 8 for opening and closing the powder discharge port 6 and the magnetic matter discharge port 7 is provided between both discharge ports 6, 7 in a freely revolvable manner, the bar magnet taking in and out cylinders 9 of the bar magnets 4 protrude out of the powder passage 2 by the length of the bar magnets 4 and air inflow and outflow ports 10, 11 for moving the bar magnets by the inflow and outflow of air are provided to both ends of them.
- I - B03C1/26



